

Supplementary data for the article:

Pantić, D. N.; Arancrossed D Signelović, S.; Radulović, S.; Roller, A.; Arion, V. B.; Grgurić-Šipka, S. Synthesis, Characterisation and Cytotoxic Activity of Organoruthenium(II)-Halido Complexes with 1H-Benzimidazole-2-Carboxylic Acid. *Journal of Organometallic Chemistry* **2016**, 819, 61–68.
<https://doi.org/10.1016/j.jorganchem.2016.06.024>

Supplementary Materials for:

Synthesis, characterisation and cytotoxic activity of organoruthenium(II)-halido complexes with 1*H*-benzimidazole-2-carboxylic acid

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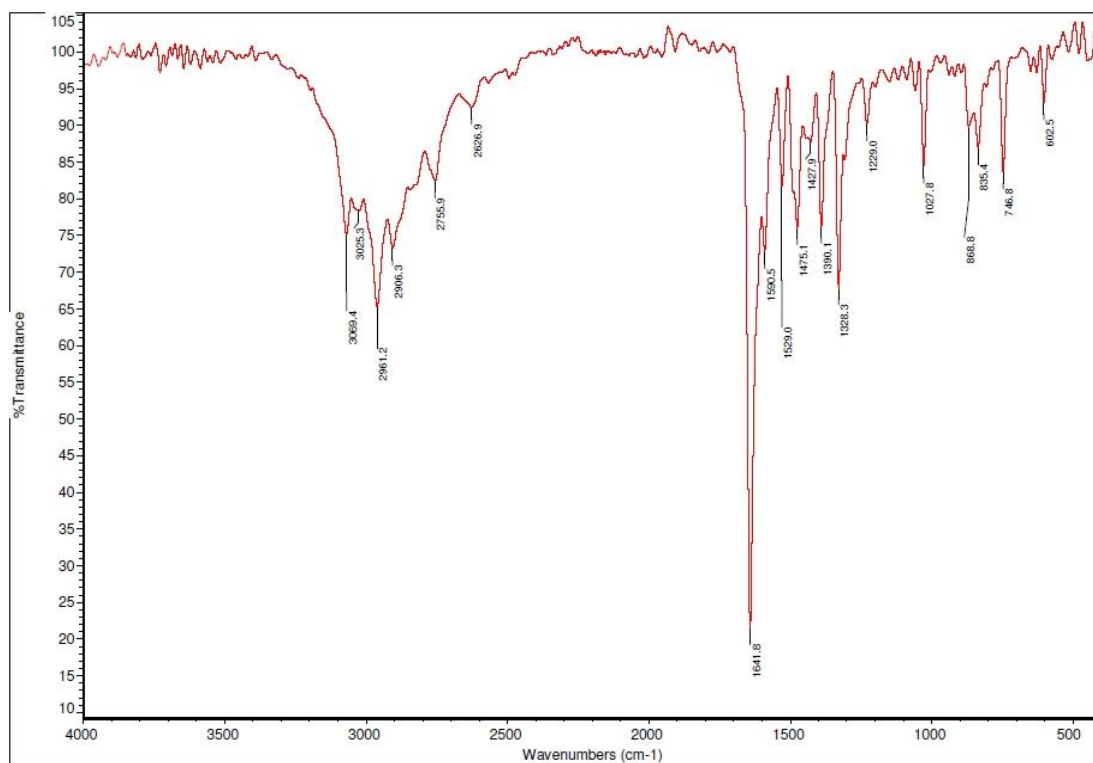


Fig. S1. FTIR spectra for C1.

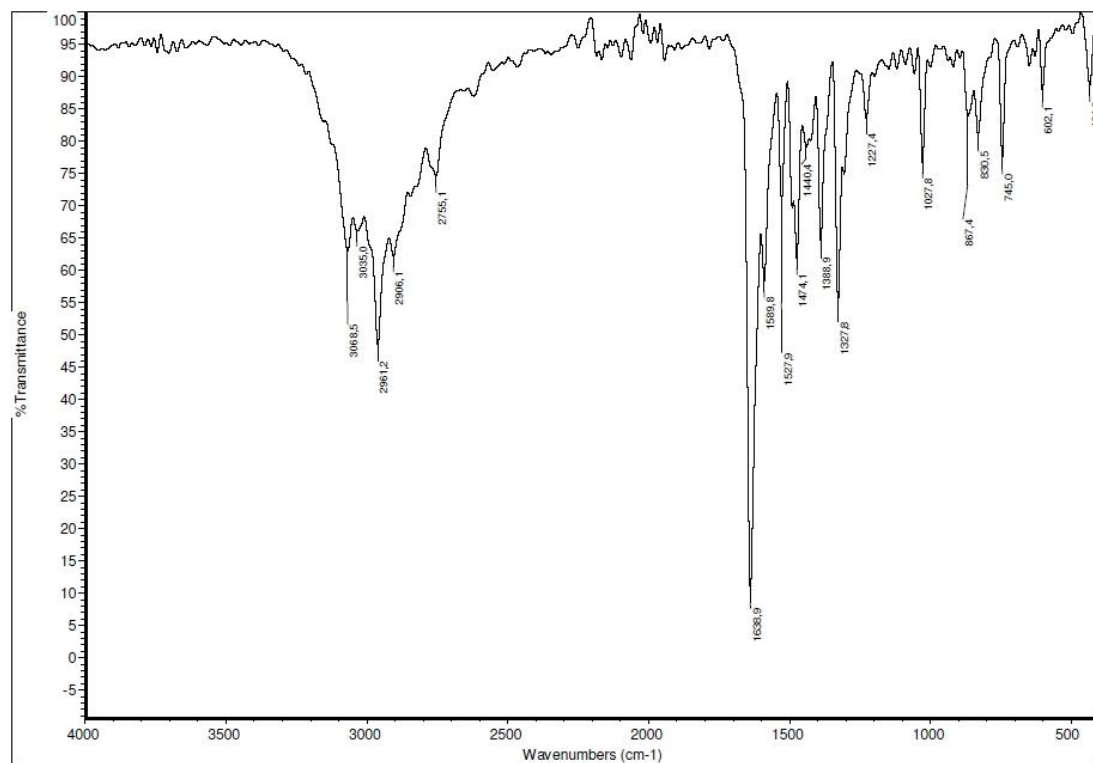


Fig. S2. FTIR spectra for C2.

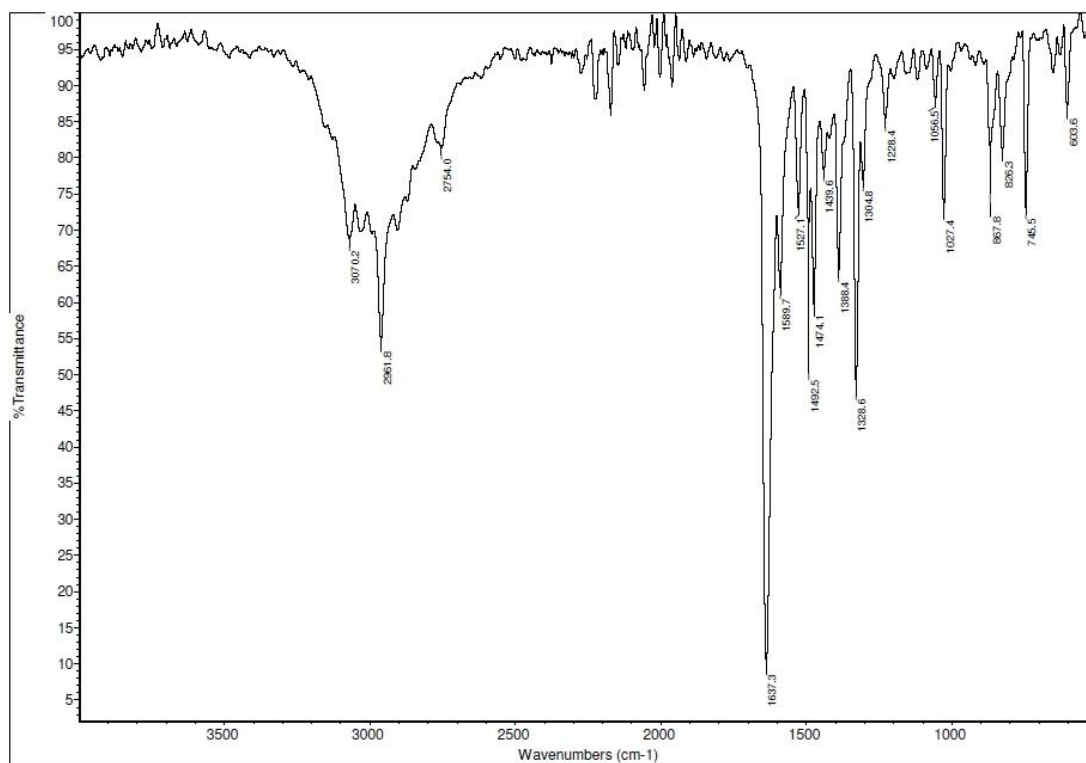


Fig. S3. FTIR spectra for C3.

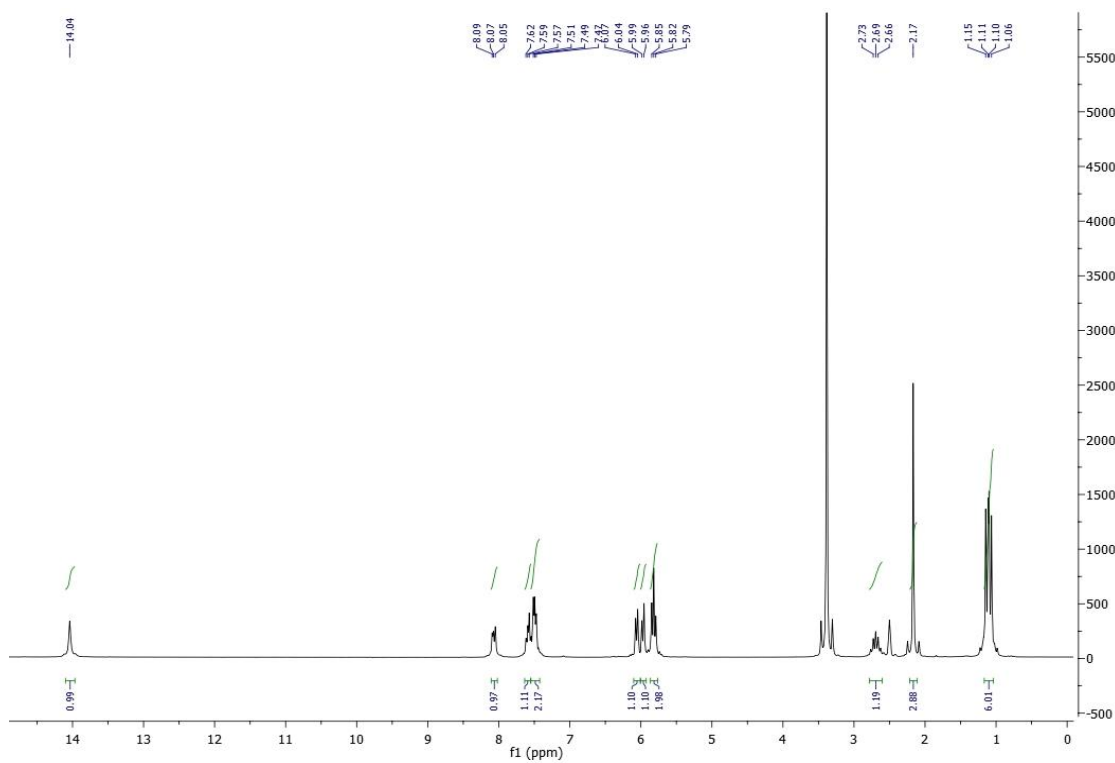


Fig. S4. ^1H NMR spectra for C1.

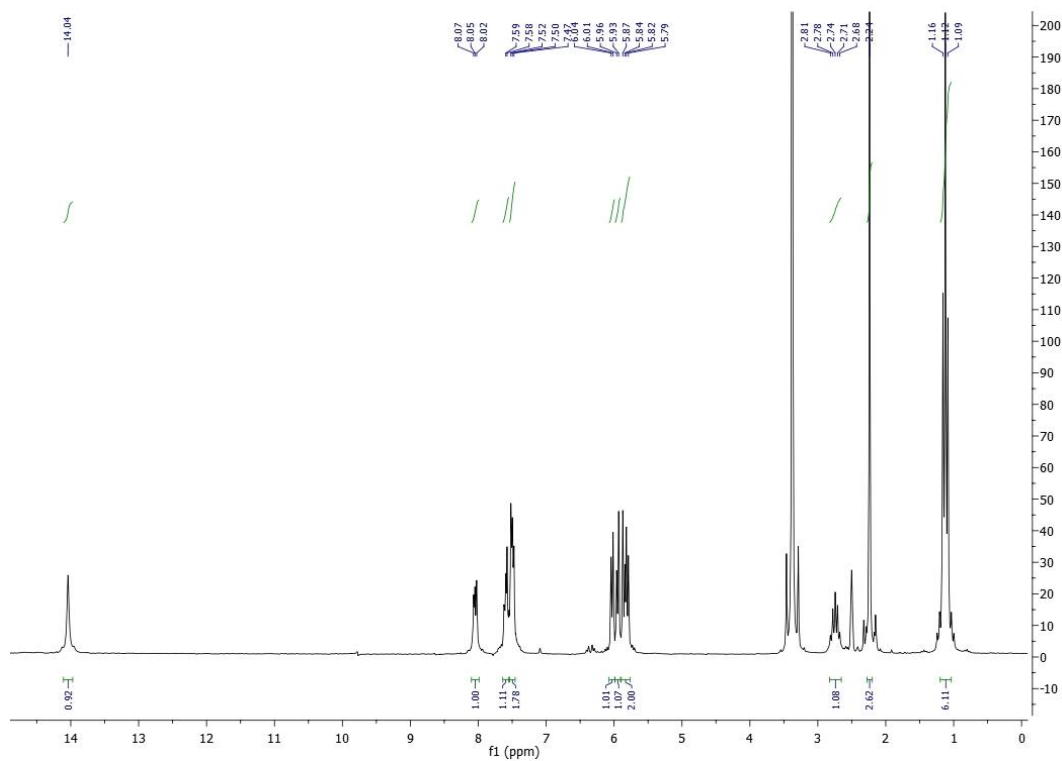


Fig. S5. ^1H NMR spectra for **C2**.

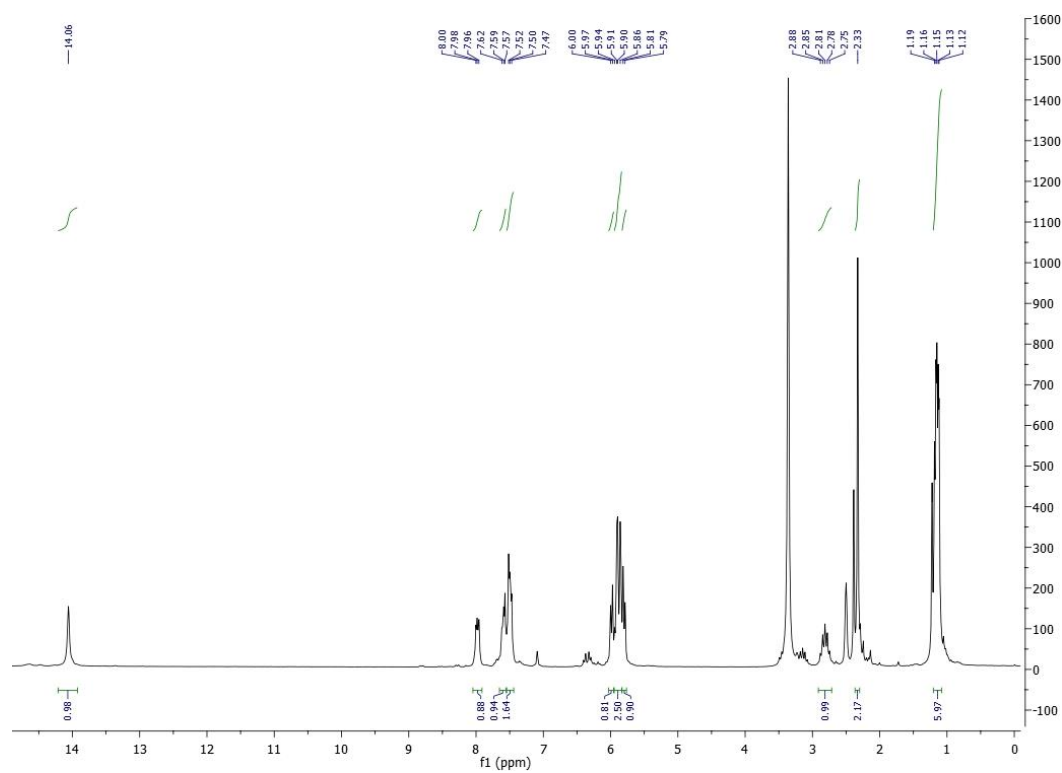


Fig. S6. ^1H NMR spectra for **C3**.

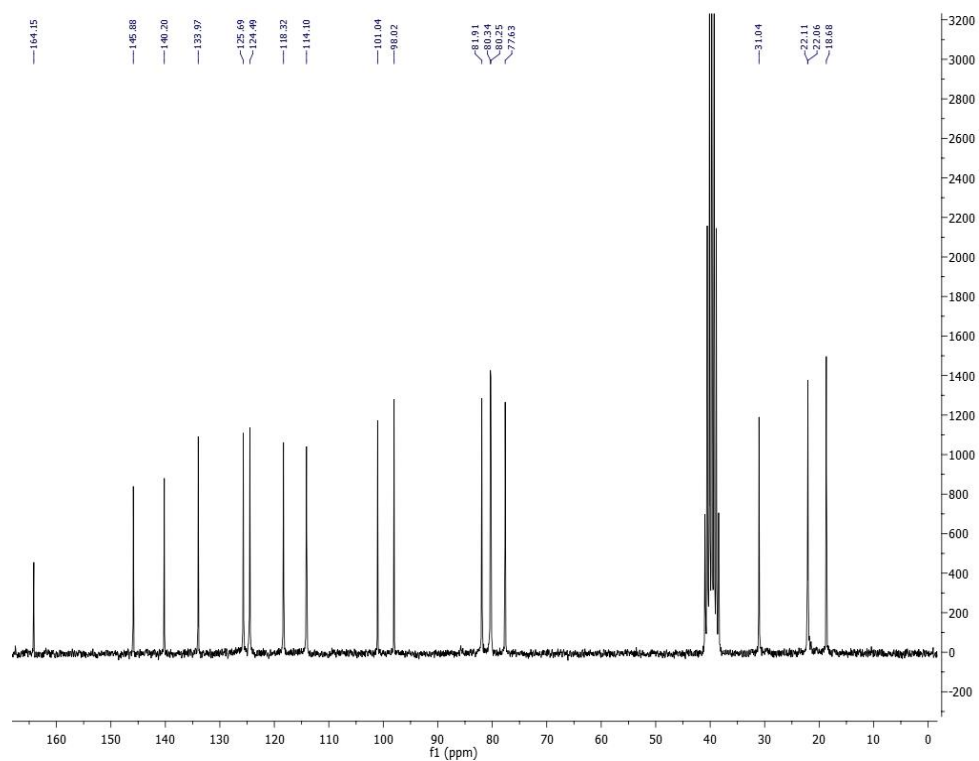


Fig. S7. ¹³C NMR spectra for C1.

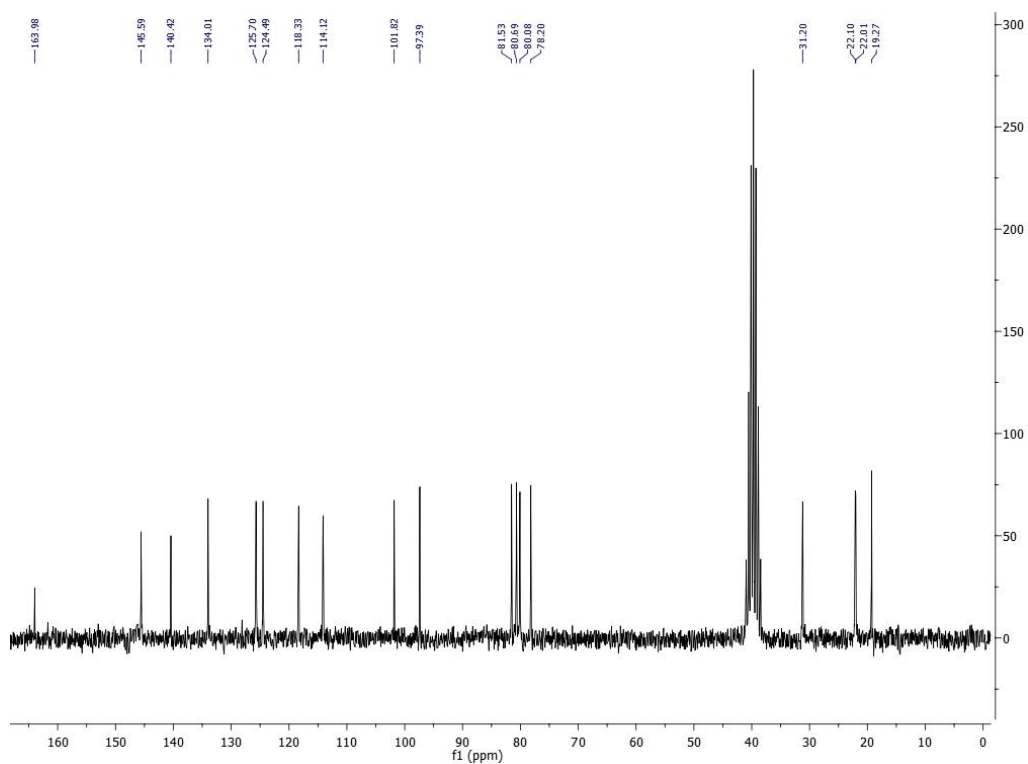


Fig. S8. ¹³C NMR spectra for C2.

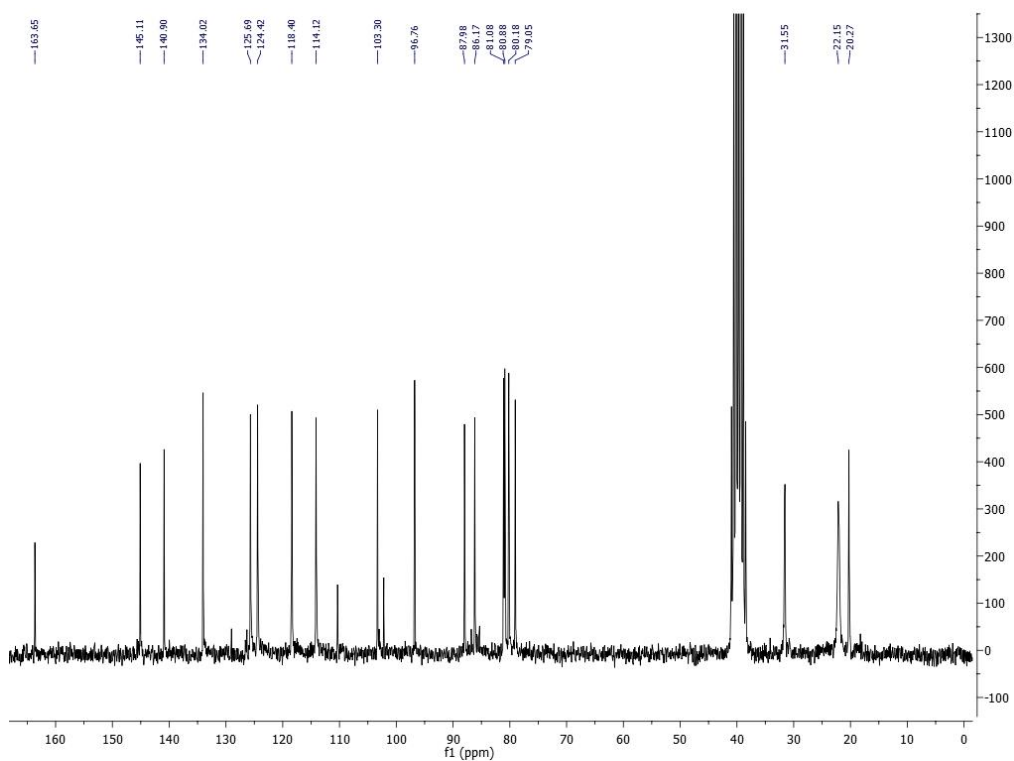


Fig. S9. ¹³C NMR spectra for C3.

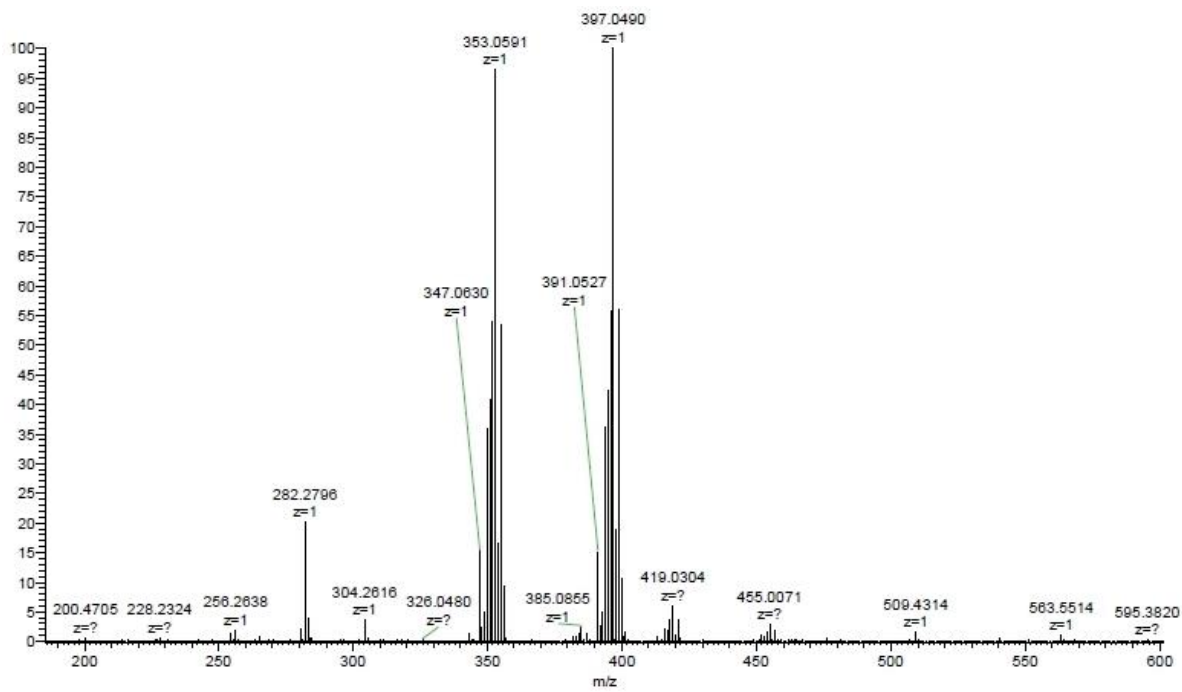


Fig. S10. ESI-MS spectra for C1.

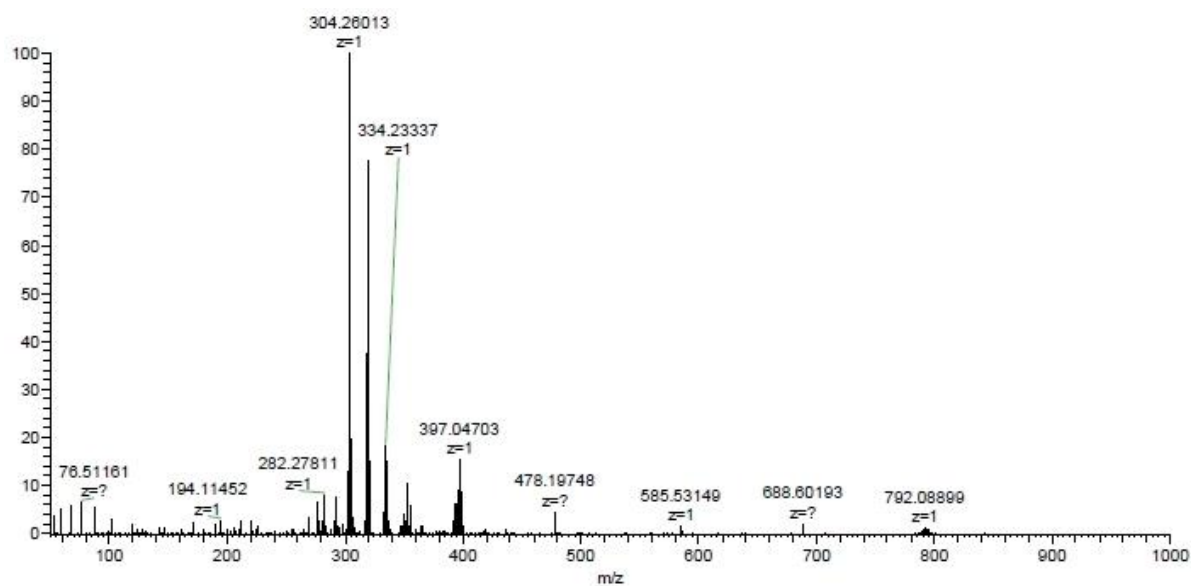


Fig. S11. ESI-MS spectra for C2.

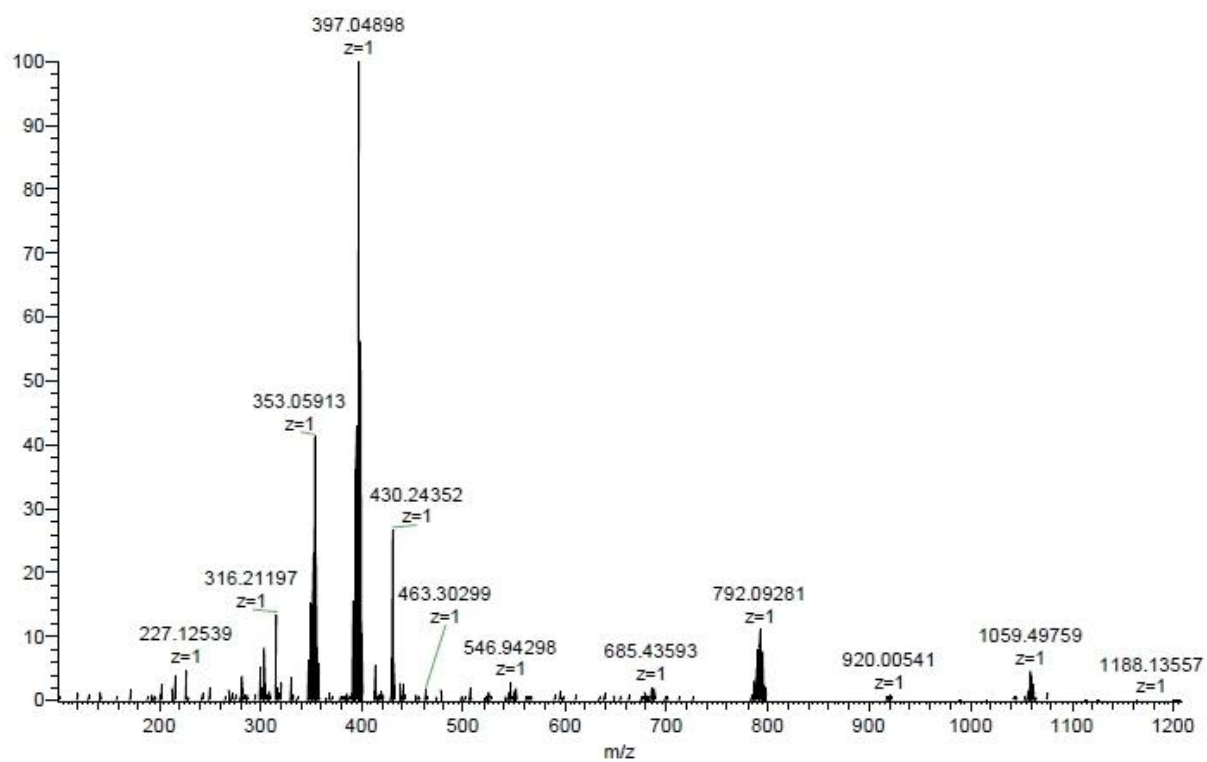


Fig. S12. ESI-MS spectra for C3.

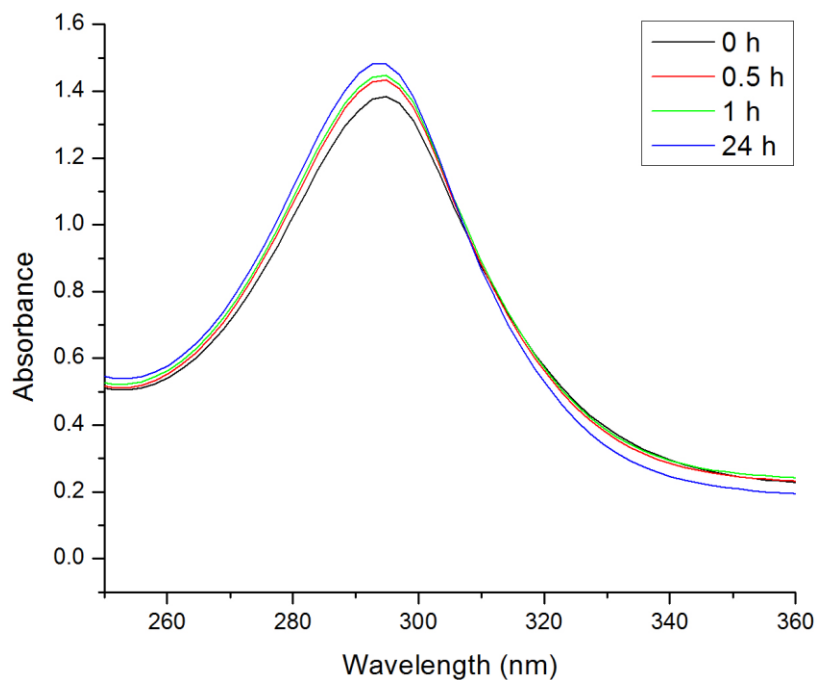


Fig. S13. UV-vis spectra of complex **C1** in water-PEG400 mixture (85 : 15) soon after dissolution (black line), after 0.5 h (red line), after 1 h (green line) and after 24 h (blue line) incubation at 298 K.

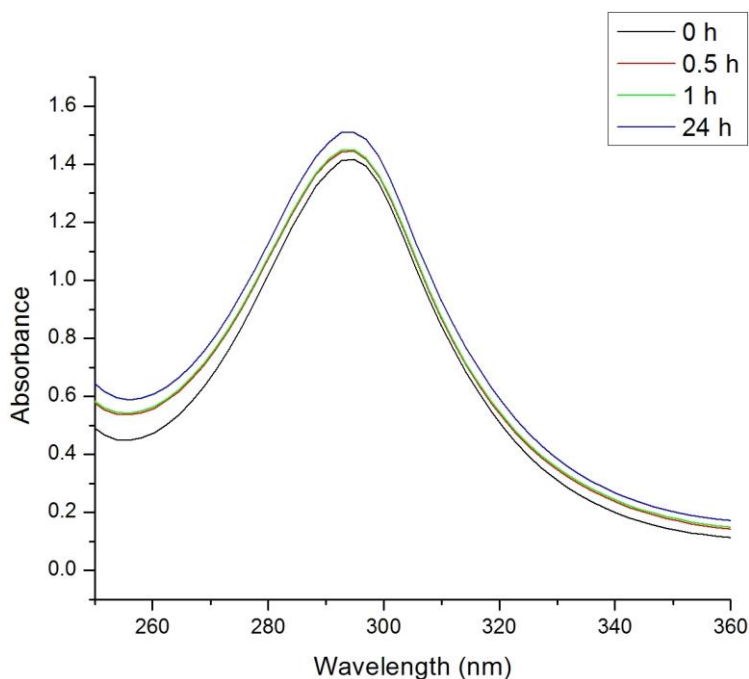


Fig. S14. UV-vis spectra of complex **C3** in water-PEG400 mixture (85 : 15) soon after dissolution (black line), after 0.5 h (red line), after 1 h (green line) and after 24 h (blue line) incubation at 298 K.

Table S1 Rate Constants for the aquation at 298 K in water-PEG400 mixture (85 : 15) for **C1** and **C3**.

Compound	k_{obs} (10^{-5} , s^{-1})	$t_{1/2}$ (s)
C1	60.4225 ± 2.47049	1102
C3	51.1243 ± 6.744	1198